



**US Army Corps
of Engineers®**
New York District

ATLANTIC COAST OF NEW YORK MONITORING PROGRAM, NY

Coastal Monitoring Program

FACT SHEET

DESCRIPTION: The intent of this effort is to define and monitor the coastal processes that affect the Atlantic Coast of New York. The authorized study area encompasses approximately 130 miles of the Atlantic Coast of New York from Coney Island in the west to Montauk Point in the east. Historically, the various shorelines along the study area have been subject to long-term erosion and severe storm-induced beach erosion resulting in extensive damages to commercial and residential property. The purpose of the Atlantic Coast of New York Monitoring Program is to obtain and assemble data on coastal processes and morphologic responses, over a 5-year monitoring program life, directed at addressing post-storm actions and long-term shoreline erosion control. This is intended to contribute to the ongoing storm damage investigations along the Atlantic Coast of New York and supply valuable coastal management information to state and local governments land use decision makers.

AUTHORIZATION: The Atlantic Coast of New York Monitoring Program was authorized by Section 404 of the Water Resources Development Act of 1992 (WRDA 92), the Energy and Water Development Appropriation Bill of 1994 and the Water Resources Development Act of 1999.

Programmed work includes physical processes and morphologic response monitoring. Program design elements include beach profile surveys on a seasonal and post-storm basis, regular aerial photography, shoreline erosion analyses, collection of wave data and development of predictive models. These components are being used to generate a comprehensive computer database Geographical Information System (GIS) accessible to engineers, scientists and managers for purposes of addressing post-storm actions and long-term shoreline erosion control. Non-Federal interests include the New York State Department of State (NYSDOS), New York State Department of Environmental Conservation (NYSDEC), and the New York Sea Grant. The study is also utilizing information contributions from other Corps, State, and local programs to develop a comprehensive shore, inlet, and south shore bay monitoring program (Long Island Shores). A Project Management Plan agreement was executed in June 2001 with the NYSDEC and NYSDOS reflecting their commitment to the comprehensive monitoring system.

STATUS: The monitoring program began in Fiscal Year 1995. Since then, the New York District has collected beach profile data and aerial photographs from the study area twice each year (each Spring and Fall of a given year). The study efforts were suspended in 1998, including completion of the GIS database, profile analysis, and final report, because the original authority expired. The Water Resources Development Act of 1999 has reauthorized the study, but no funds were available for resumption during FY 1999 and FY 2000. An additional \$1,000,000 was added by Congress for FY01 to continue monitoring, data analysis and data distribution efforts. No funds were provided for FY02 or FY04.

PROJECT COST:

Estimated Federal Cost	\$7,000,000
Estimated Non-Federal Cost	\$ 0
Total	\$7,000,000

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